

WHAT IS CLAIMED IS:

1. An electronic device comprising:
a battery;

control means having a first mode in which the
5 battery is charged up to a fully charged state and a
second mode in which the battery is charged up to a
state less charged than the fully charged state;

means for detecting that the battery is charged up
to the fully charged state in the first mode; and

10 means for switching control of the control means
from the first mode to the second mode when the battery
is detected to have charged up to the fully charged
state.

2. A device according to claim 1, which further
15 comprises a button which is operated even when the
electronic device is OFF, and in which the button is
operated to start charging the battery in the first
mode by the control means.

3. A device according to claim 2, wherein the
20 button is attached to a surface of a housing of the
electronic device.

4. A device according to claim 1, further
comprising a user interface which causes the control
means to start charging the battery in the first mode.

25 5. A device according to claim 1, which further
comprises means for displaying a remaining amount of
the battery, and in which the display means displays

the remaining amount of the battery by using a charged state in the second mode as a reference.

6. A charge control method in an electronic device having a battery, and control means having a
5 first mode in which the battery is charged up to a fully charged state and a second mode in which the battery is charged up to a state less charged than the fully charged state, comprising:

10 detecting that the battery is charged up to the fully charged state in the first mode; and

switching control of the control means from the first mode to the second mode when the battery is detected to have charged up to the fully charged state.

7. A method according to claim 6, in which the
15 electronic device further comprises a button which is operated even when the electronic device is OFF, and which further comprises a step of operating the button to start charging the battery in the first mode by the control means.